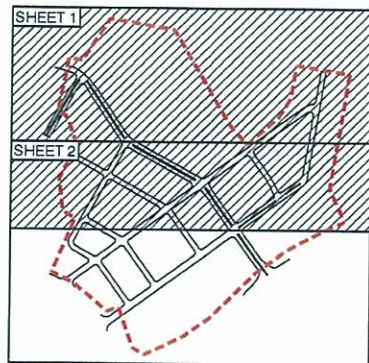
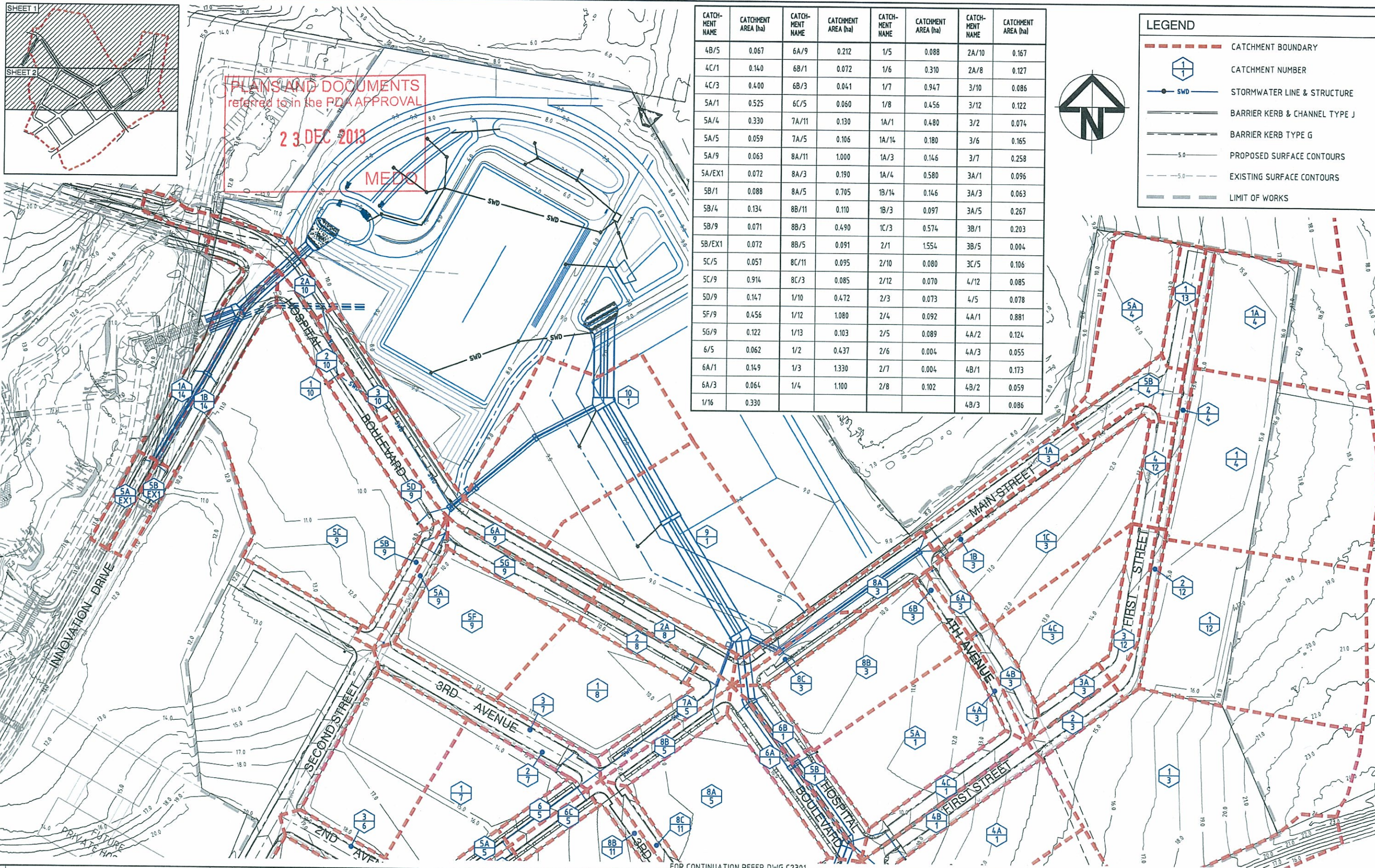




PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

23 DEC 2013

MEDIO



CATCHMENT NAME	CATCHMENT AREA (ha)	CATCHMENT NAME	CATCHMENT AREA (ha)	CATCHMENT NAME	CATCHMENT AREA (ha)	CATCHMENT NAME	CATCHMENT AREA (ha)
4B/5	0.067	6A/9	0.212	1/5	0.088	2A/10	0.167
4C/1	0.140	6B/1	0.072	1/6	0.310	2A/8	0.127
4C/3	0.400	6B/3	0.041	1/7	0.947	3/10	0.086
5A/1	0.525	6C/5	0.060	1/8	0.456	3/12	0.122
5A/4	0.330	7A/11	0.130	1A/1	0.480	3/2	0.074
5A/5	0.059	7A/5	0.106	1A/14	0.180	3/6	0.165
5A/9	0.063	8A/11	1.000	1A/3	0.146	3/7	0.258
5A/EX1	0.072	8A/3	0.190	1A/4	0.580	3A/1	0.096
5B/1	0.088	8A/5	0.705	1B/14	0.146	3A/3	0.063
5B/4	0.134	8B/11	0.110	1B/3	0.097	3A/5	0.267
5B/9	0.071	8B/3	0.490	1C/3	0.574	3B/1	0.203
5B/EX1	0.072	8B/5	0.091	2/1	1.554	3B/5	0.004
5C/5	0.057	8C/11	0.095	2/10	0.080	3C/5	0.106
5C/9	0.914	8C/3	0.085	2/12	0.070	4/12	0.085
5D/9	0.147	1/10	0.472	2/3	0.073	4/5	0.078
5F/9	0.456	1/12	1.080	2/4	0.092	4A/1	0.881
5G/9	0.122	1/13	0.103	2/5	0.089	4A/2	0.124
6/5	0.062	1/2	0.437	2/6	0.004	4A/3	0.055
6A/1	0.149	1/3	1.330	2/7	0.004	4B/1	0.173
6A/3	0.064	1/4	1.100	2/8	0.102	4B/2	0.059
1/16	0.330					4B/3	0.086

LEGEND

- CATCHMENT BOUNDARY
- CATCHMENT NUMBER
- STORMWATER LINE & STRUCTURE
- BARRIER KERB & CHANNEL TYPE J
- BARRIER KERB TYPE G
- PROPOSED SURFACE CONTOURS
- EXISTING SURFACE CONTOURS
- LIMIT OF WORKS

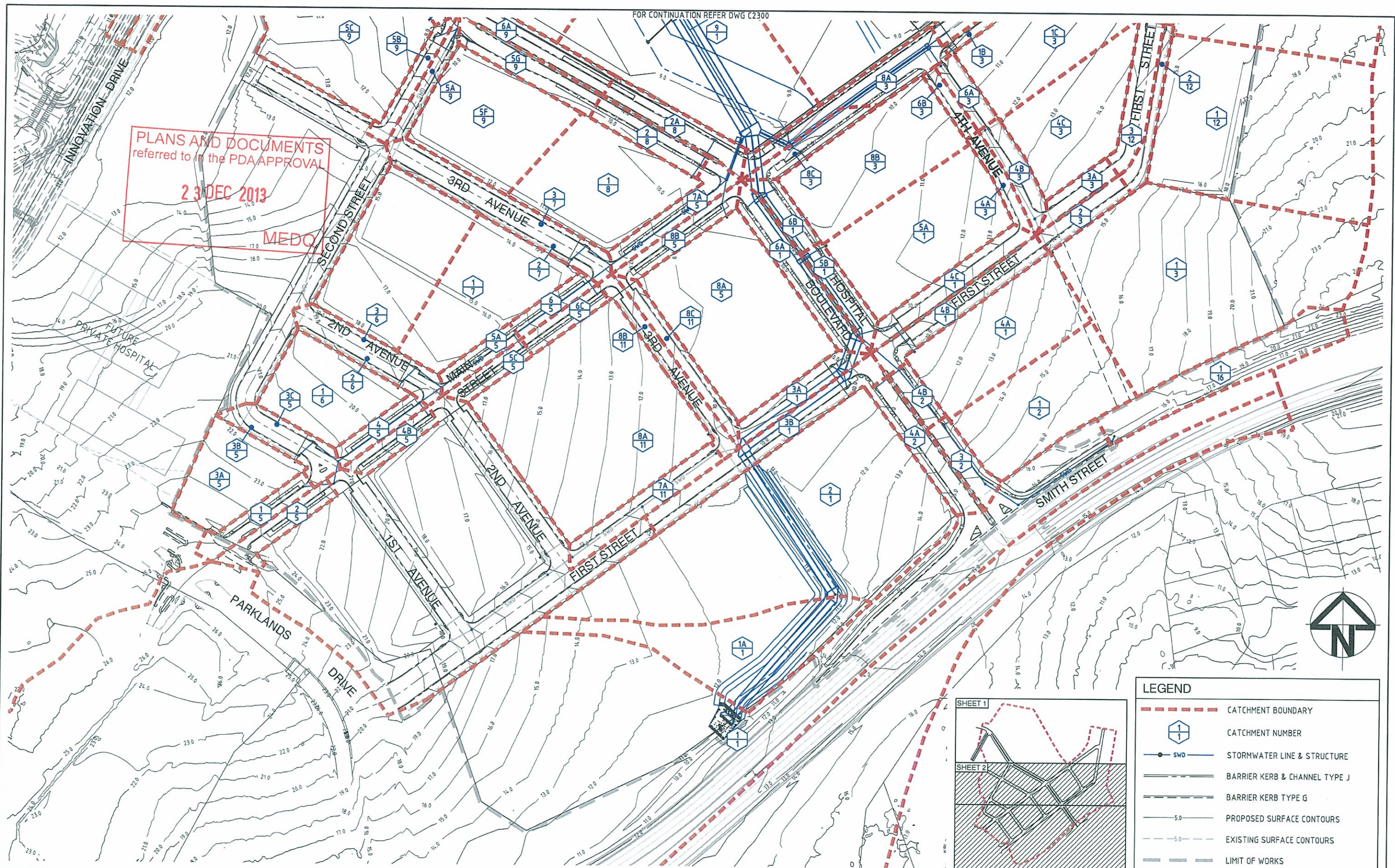
FOR CONTINUATION REFER DWG C2301

01 ISSUE FOR OPW APPROVAL P1 ISSUE FOR COMMENT		BD 14/10/13 BD 23/08/13	Author Date	Scale 0 10 20 40 60 80 100m 1 : 1000	Surveyor BENNETT • BENNETT Property Consultants, Surveyors • Town Planners All mail to: PO Box 5021, GOMC, Qld. 9726 mai@benettlandbennett.com.au 61 (07) 5573 4177 61 (07) 5529 4342	Client Queensland Government DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING	Status FOR APPROVAL CONSTRUCTION SUBJECT TO COUNCIL APPROVAL Approved <i>[Signature]</i> R.E.P.O. No: 8677 Scales 1:1000 Original Size A1 Height AHD Datum MGA Grid MGA	Project GOLD COAST PARKLANDS REDEVELOPMENT TRUNK INFRASTRUCTURE STORMWATER CATCHMENT PLAN - SHEET 1 OF 2	Hyder HYDER CONSULTING PTY. LTD ABN 76 104 485 289 P O Box 1653 Southport, QLD 4215 Australia Tel: +61 (07) 5532 3933 Fax: +61 (07) 5591 4778 www.hyderconsulting.com
Issue Description		Author Date		File name: C2300-C2301-AA005621-SWD CATCHMENT.DWG		Copyright reserved 14/Oct/2013 1:36 PM		Drawing No. Project No. Issue C2300 - AA005621 - 01	

100mm on Original

\\hc-aus-gc-fs-01\jobs\AA005621\NE-CAD\NC-Civil\D-Final\C2300-C2301-AA005621-SWD CATCHMENT.dwg

V1



01 ISSUE FOR DPW APPROVAL P1 ISSUE FOR COMMENT Issue Description Author Date		BD 14/10/13 BD 23/08/13		Scale 0 10 20 40 60 80 100m 1: 1000		Surveyor BENNETT • BENNETT Property Consultants, Surveyors • Town Planners All mail to: PO Box 5021, GCMC, Qld 9726 Email: mail@bennettandbennett.com.au BBN Pty. Ltd. A.C.N. 012 427 528 COOMERA OFFICE 9 Jewett Street, Coomera, 4209 Ph (07) 5573 8177 Fax (07) 5525 4342		Client Queensland Government DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING Architect ARCHIPELAGO Filename: C2300-C2301-AA005621-SWD CATCHMENT.DWG		Status FOR APPROVAL CONSTRUCTION SUBJECT TO COUNCIL APPROVAL Approved: <i>[Signature]</i> R.E.P.Q. No: 8677 Scales: 1:1000 Original Size: A1 Height Datum: AHD Grid: MGA Current Issue Signatures Author: B DAVEY Designer: T DINGLE Reviewer: B THOMPSON © Copyright reserved		Project GOLD COAST PARKLANDS REDEVELOPMENT TRUNK INFRASTRUCTURE Title STORMWATER CATCHMENT PLAN - SHEET 2 OF 2		Hyder HYDER CONSULTING PTY. LTD ABN 76 104 485 289 P O Box 1653 Southport, QLD 4215 Australia Tel: +61 (07) 5532 3033 Fax: +61 (07) 5591 4778 www.hyderconsulting.com	
										Drawing No. C2301 Project No. AA005621 Issue 01					

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

23 DEC 2013

MEDQ

WATER LEVEL IN STRUCTURE
HYDRAULIC GRADE LEVEL
PIPE FLOW (Cumecs)
PIPE CAPACITY AT GRADE (Cumecs)
DEPTH TO INVERT
INVERT LEVEL OF DRAIN
DESIGN SURFACE LEVEL
RUNNING CHAINAGE



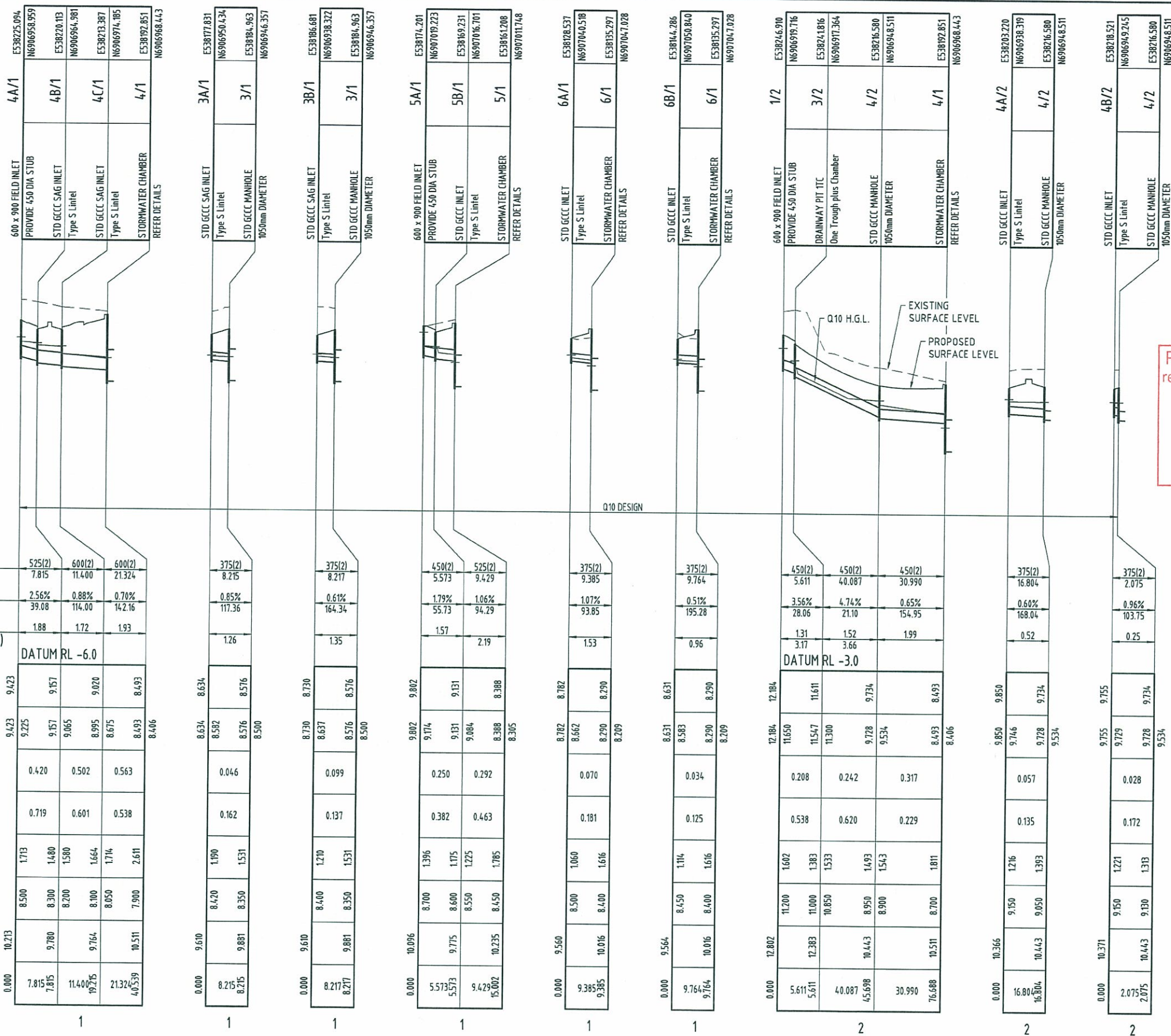
			 BENNETT • BENNETT Property Consultants, Surveyors • Town Planners All mail to: PO Box 5021 GCMC, Qld 4720 me@bennettandbennett.com.au BEN Pty Ltd A/C N 553 477 551 COOMERA OFFICE 1 Jovett Street Coomera, QLD Ph (07) 5673 6177 Fax (07) 5620 6542			 Queensland Government DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING			Status FOR APPROVAL NOT FOR CONSTRUCTION Approved  REP Q No: 8677			Project GOLD COAST PARKLANDS REDEVELOPMENT TRUNK INFRASTRUCTURE			 HYDER CONSULTING PTY. LTD ABN 76 104 485 289 P O Box 1653 Southport, QLD 4215 Australia Tel: +61 (07) 5532 3933 Fax: +61 (07) 5591 4778 www.hyderconsulting.com			
02	G.C.C. R.F.I.	BD	14/11/13	Scale 0 10 20 40 60 80 100m HORIZ  1:1000 0 1 2 4 6 8 10m VERT  1:100			Architect ARCHIPELAGO Filename: C2302-C2309-AA005621-SWD LSECT.DWG			Client DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING			Current Issue Signatures Author B.DAVEY Designer T.DINGLE Reviewer B.THOMPSON © Copyright reserved			Title STORMWATER LONGITUDINAL SECTIONS - SHEET 1 OF 8		
Issue Description				Author		Date		Grid		MGA		Drawing No: C2302		Project No: AA005621		Issue		

CO-ORDINATES	STRUCTURE NAME	STRUCTURE DESCRIPTION
--------------	----------------	-----------------------

PIPE SIZEmm (Class)	525(2)	600(2)	600(2)
PIPE LENGTH (m)	7.815	11.400	21.324
PIPE GRADE %	2.56%	0.88%	0.70%
PIPE SLOPE 1 in X	39.08	114.00	142.16
FULL PIPE FLOW VELOCITY (m/s)	1.88	1.72	1.93
PART FULL FLOW VELOCITY (m/s)			

WATER LEVEL IN STRUCTURE	9.423	9.423	9.423
HYDRAULIC GRADE LEVEL	9.225	9.157	9.020
PIPE FLOW (Cumecs)	0.420	0.502	0.563
PIPE CAPACITY AT GRADE (Cumecs)	0.719	0.601	0.538
DEPTH TO INVERT	1.713	1.480	1.564
INVERT LEVEL OF DRAIN	8.500	8.300	8.100
DESIGN SURFACE LEVEL	9.780	9.764	9.790
RUNNING CHAINAGE	7.815	11.400	21.324

LINE



PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

23 DEC 2013

MEDQ

01 ISSUE FOR DPW APPROVAL P1 ISSUE FOR COMMENT Issue Description Author Date		Scale HORZ 0 10 20 40 60 80 100m VERT 0 1 2 4 6 8 10m 1:1000 1:100		Surveyor BENNETT • BENNETT Property Consultants, Surveyors • Town Planners All mail to: PO Box 5021, GCMC, QLD 4226 Email: info@benbennett.com.au 6001 Pw. Lark & C. N. 910 427 521		Architect ARCHIPELAGO Filename: C2302-C2309-AA005621-SWD LSECT.DWG		Client Queensland Government DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING		Status FOR APPROVAL CONSTRUCTION SUBJECT TO COUNCIL APPROVAL Approved <i>[Signature]</i> R.E.P. No: 8677 Scales AS STATED Original Size A1 Height AHD Grid MGA		Project GOLD COAST PARKLANDS REDEVELOPMENT TRUNK INFRASTRUCTURE STORMWATER LONGITUDINAL SECTIONS - SHEET 2 OF 8		Title STORMWATER LONGITUDINAL SECTIONS - SHEET 2 OF 8		Drawing No. C2303 Project No. AA005621 Issue 01	
--	--	--	--	---	--	---	--	--	--	--	--	---	--	---	--	---	--

HYDER CONSULTING PTY. LTD
 ABN 76 104 485 289
 P O Box 1653
 Southport, QLD 4215
 Australia
 Tel: +61 (07) 5532 3633
 Fax: +61 (07) 5591 4778
 www.hyderconsulting.com

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

23 DEC 2013

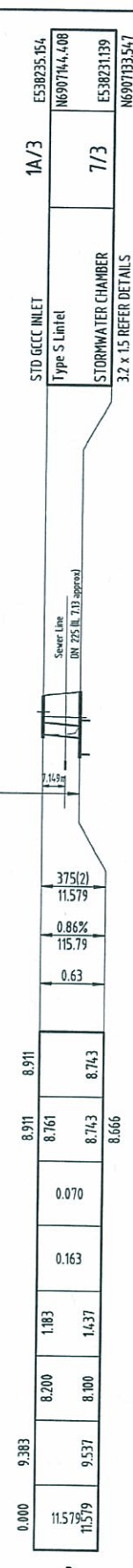
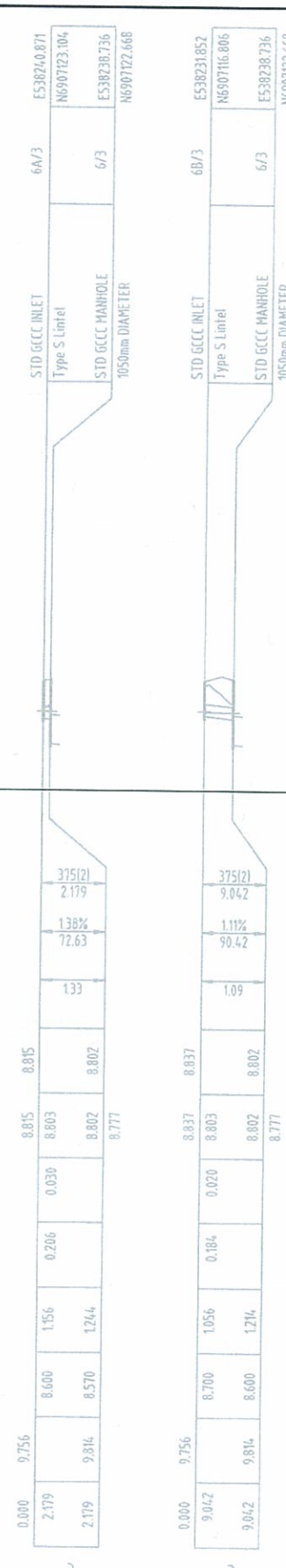
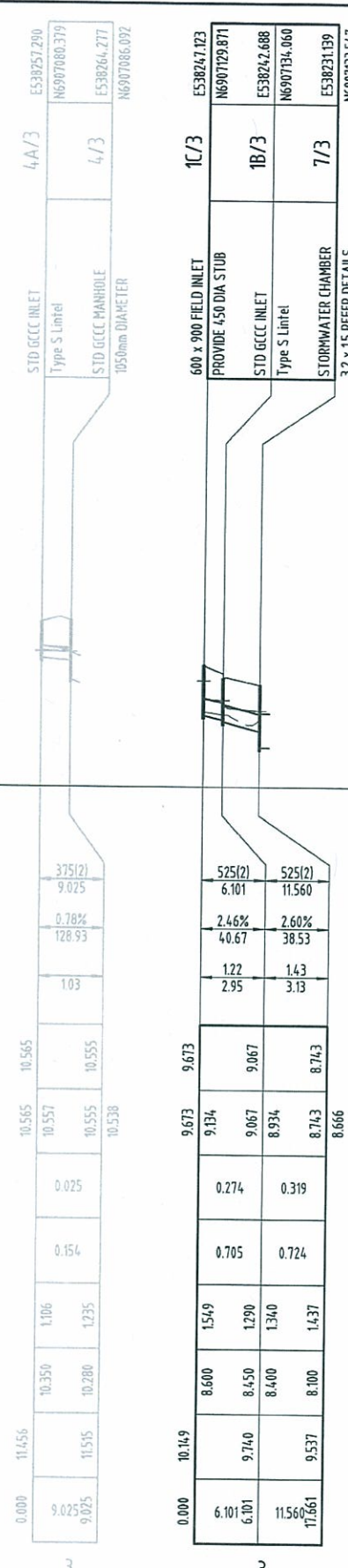
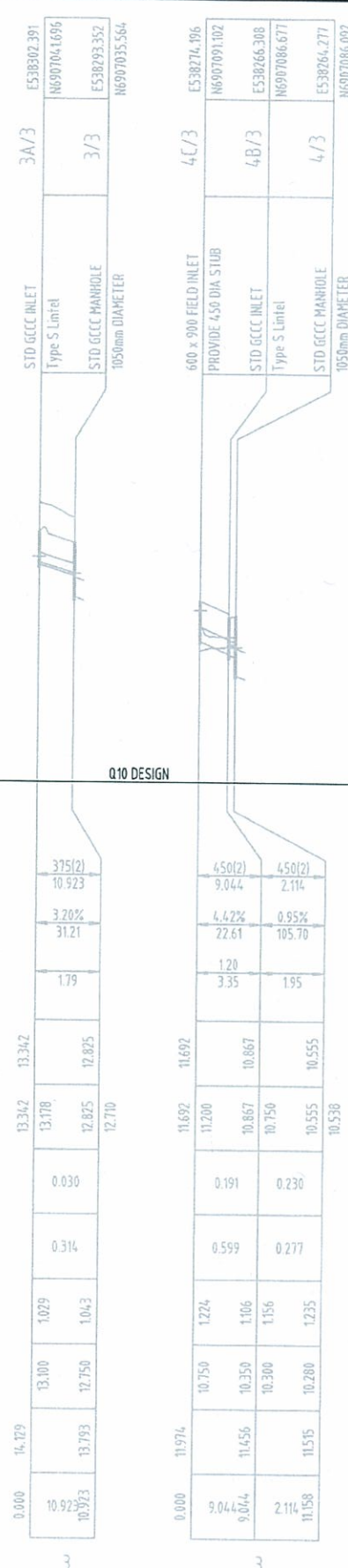
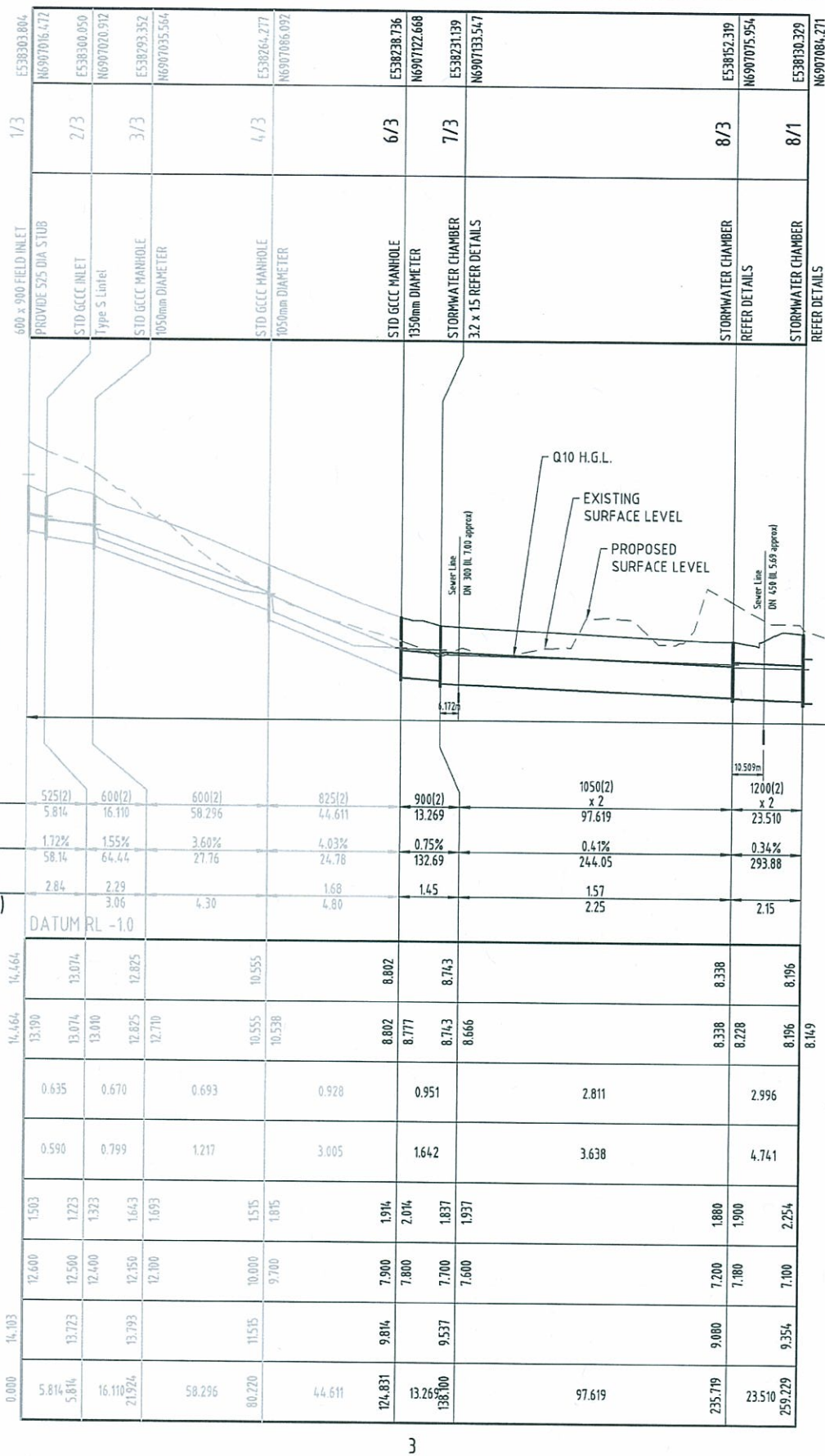
MEDQ

CO-ORDINATES
STRUCTURE NAME
STRUCTURE DESCRIPTION

PIPE SIZEmm (Class)
PIPE LENGTH (m)
PIPE GRADE %
PIPE SLOPE 1 in X
FULL PIPE FLOW VELOCITY (m/s)
PART FULL FLOW VELOCITY (m/s)

WATER LEVEL IN STRUCTURE
HYDRAULIC GRADE LEVEL
PIPE FLOW (Cumecs)
PIPE CAPACITY AT GRADE (Cumecs)
DEPTH TO INVERT
INVERT LEVEL OF DRAIN
DESIGN SURFACE LEVEL
RUNNING CHAINAGE

LINE



01 ISSUE FOR DPW APPROVAL P1 ISSUE FOR COMMENT Issue Description		BD 14/10/13 BD 23/08/13 Author Date	Scale 0 10 20 40 60 80 100m HORZ 1:1000 VERT 1:100	Surveyor BENNETT • BENNETT Property Consultants, Surveyors & Town Planners All mail to: PO Box 5021 GCMC, Qld 9720 mail@benntandbennt.com.au 6091 Pst. Lst. & C.A. 050 407 541 COOMERA OFFICE 4 Jivett Street Coomera, 4209 Ph (07) 5573 6177 Fax (07) 5520 4542	Architect ARCHIPELAGO Filename: C2302-C2309-AA005621-SWD LSECT.DWG	Client Queensland Government DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING	Status FOR APPROVAL CONSTRUCTION SUBJECT TO COUNCIL APPROVAL Approved <i>[Signature]</i> R.E.P. No. 8677 Scales AS STATED Original Size A1 Height Datum AHD Grid MGA Current Issue Signatures Author B.DAVEY Designer T.DINGLE Reviewer B.THOMPSON Copyright reserved	Project GOLD COAST PARKLANDS REDEVELOPMENT TRUNK INFRASTRUCTURE Title STORMWATER LONGITUDINAL SECTIONS - SHEET 3 OF 8	Hyder HYDER CONSULTING PTY. LTD ABN 78 104 485 289 P O Box 1653 Southport, QLD 4215 Australia Tel: +61 (07) 5532 3933 Fax: +61 (07) 5591 4778 www.hyderconsulting.com Drawing No. C2304 Project No. AA005621 Issue 01
---	--	--	---	--	--	---	--	--	--

14/Oct/2013 1:36 PM

\\hc-auc-gs-fs-01\jobs\AA005621\VE-CAD\Civil\0-Final\C2302-C2309-AA005621-SWD LSECT.dwg

1/1

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

23 DEC 2013

MEDQ

CO-ORDINATES
STRUCTURE NAME
STRUCTURE DESCRIPTION

PIPE SIZEmm (Class)
PIPE LENGTH (m)
PIPE GRADE %
PIPE SLOPE 1 in X
FULL PIPE FLOW VELOCITY (m/s)
PART FULL FLOW VELOCITY (m/s)

WATER LEVEL
IN STRUCTURE
HYDRAULIC
GRADE LEVEL
PIPE FLOW
(Cumecs)
PIPE CAPACITY
AT GRADE (Cumecs)
DEPTH TO INVERT
INVERT LEVEL
OF DRAIN
DESIGN SURFACE
LEVEL
RUNNING CHAINAGE

8B/3	ES38162.607	600 x 900 FIELD INLET	PROVIDE 450 DIA STUB	ES38162.607
8C/3	N6907068.115	DRAINWAY PIT 2TC	Two Troughs plus Chamber	N6907068.115
8/3	ES38158.915	STORMWATER CHAMBER	REFER DETAILS	ES38158.915
8/3	N6907072.848	STORMWATER CHAMBER	REFER DETAILS	N6907072.848
8/3	ES38152.319	STORMWATER CHAMBER	REFER DETAILS	ES38152.319
8/3	N6907075.954	STORMWATER CHAMBER	REFER DETAILS	N6907075.954

8A/3	ES38151.363	STD 600mm SAG INLET	Type S Inlet	ES38151.363
8/3	N6907083.183	STORMWATER CHAMBER	REFER DETAILS	N6907083.183
8/3	ES38152.319	STORMWATER CHAMBER	REFER DETAILS	ES38152.319
8/3	N6907075.954	STORMWATER CHAMBER	REFER DETAILS	N6907075.954

1A/4	ES38168.734	600 x 900 FIELD INLET	PROVIDE 450 DIA STUB	ES38168.734
1/4	N6907240.350	600 x 900 FIELD INLET	PROVIDE 450 DIA STUB	N6907240.350
2/4	ES38165.999	600 x 900 FIELD INLET	PROVIDE 450 DIA STUB	ES38165.999
2/4	N6907223.783	STD 600mm SAG INLET	Type S Inlet	N6907223.783
3/4	ES38168.734	STD 600mm SAG INLET	Type S Inlet	ES38168.734
4/4	N6907224.495	STD 600mm SAG INLET	Type S Inlet	N6907224.495
5/4	ES38165.999	STD 600mm SAG INLET	Type S Inlet	ES38165.999
5/4	N6907204.657	STD 600mm SAG INLET	Type S Inlet	N6907204.657
7/3	ES38162.607	STORMWATER CHAMBER	REFER DETAILS	ES38162.607
7/3	N6907135.547	STORMWATER CHAMBER	REFER DETAILS	N6907135.547

5A/4	ES38168.734	600 x 900 FIELD INLET	PROVIDE 450 DIA STUB	ES38168.734
5B/4	N6907211.509	STD 600mm SAG INLET	Type S Inlet	N6907211.509
5/4	ES38165.999	STD 600mm SAG INLET	Type S Inlet	ES38165.999
5/4	N6907204.657	STD 600mm SAG INLET	Type S Inlet	N6907204.657

LINE

3

3

4

4

01 ISSUE FOR OPW APPROVAL		BD	14/10/13
P1 ISSUE FOR COMMENT		BD	23/08/13
Issue	Description	Author	Date

Scale 0 10 20 40 60 80 100m	
HORIZ 1:1000	
VERT 1:100	

Surveyor	
BENNETT • BENNETT	
Property Consultants, Surveyors • Town Planners	
All mail to: PO Box 5021, GCMC, Qld 9720	
ma@bennettandbennett.com.au	
BEN Ph: 114 414 4141 Fax: 114 414 4142	

Architect	
ARCHIPELAGO	
Filename: C2302-C2309-AA005621-SWD LSECT.DWG	

Client	
Queensland Government	
DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING	

Status	
FOR APPROVAL	
CONSTRUCTION SUBJECT TO COUNCIL APPROVAL	
Approved: [Signature] R.E.P.Q No: 8677	
Scales	
AS STATED	
Original Size	
A1	
Height	
AHD	
Datum	
MGA	
Grid	
© Copyright reserved	

Project	
GOLD COAST PARKLANDS REDEVELOPMENT	
TRUNK INFRASTRUCTURE	
STORMWATER LONGITUDINAL SECTIONS - SHEET 4 OF 8	

Hyder	
HYDER CONSULTING PTY. LTD	
ABN 76 104 485 289	
P O Box 1653	
Southport, QLD 4215	
Australia	
Tel: +61 (07) 5532 3933	
Fax: +61 (07) 5591 4778	
www.hyderconsulting.com	

Drawing No.	Project No.	Issue
C2305	AA005621	01

14/Oct/2013 1:36 PM

\\hc-aus-gc-fs-01\jobs\AA005621\E-CAD\C-Civil\DWG-Final\C2302-C2309-AA005621-SWD LSECT.dwg

V1

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

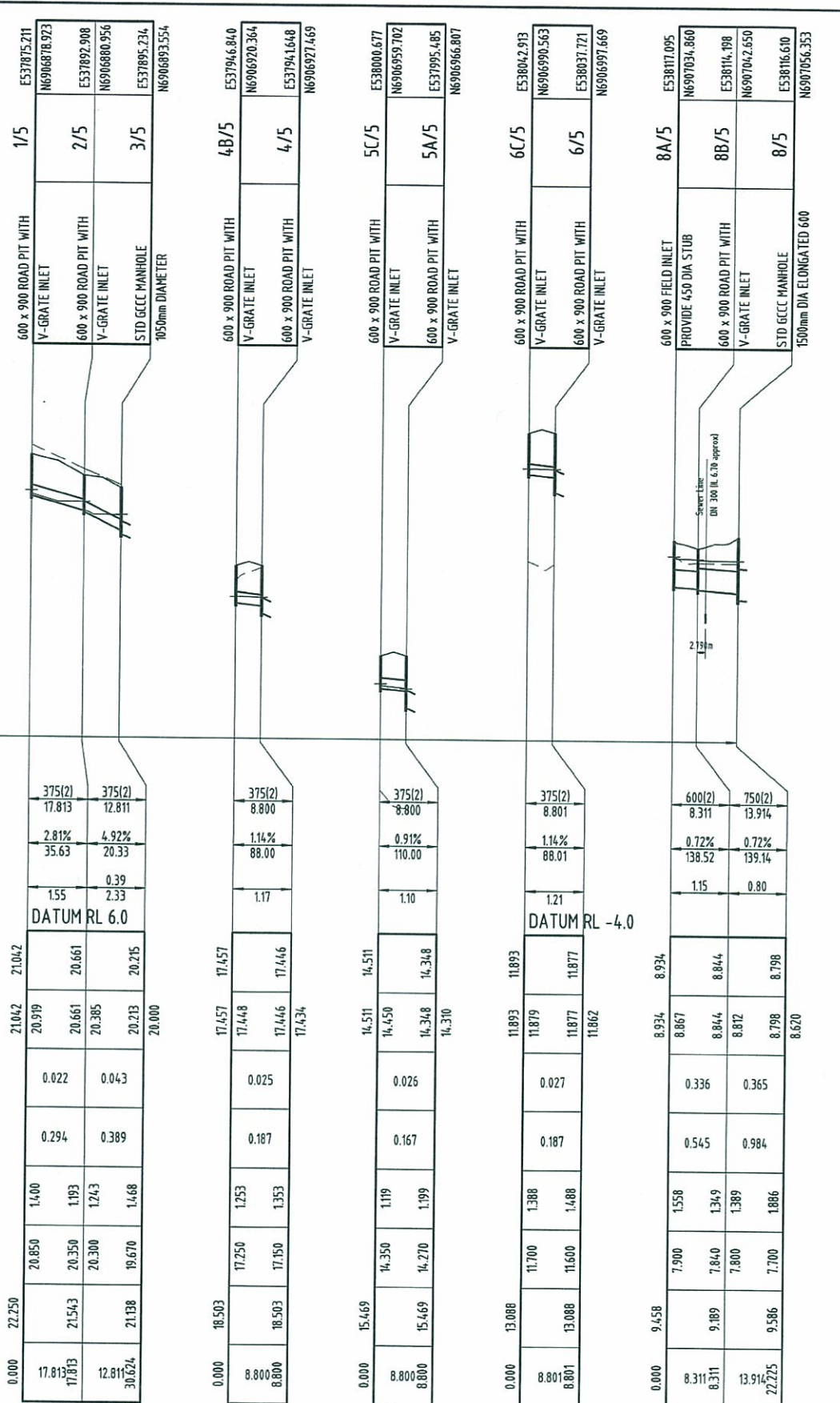
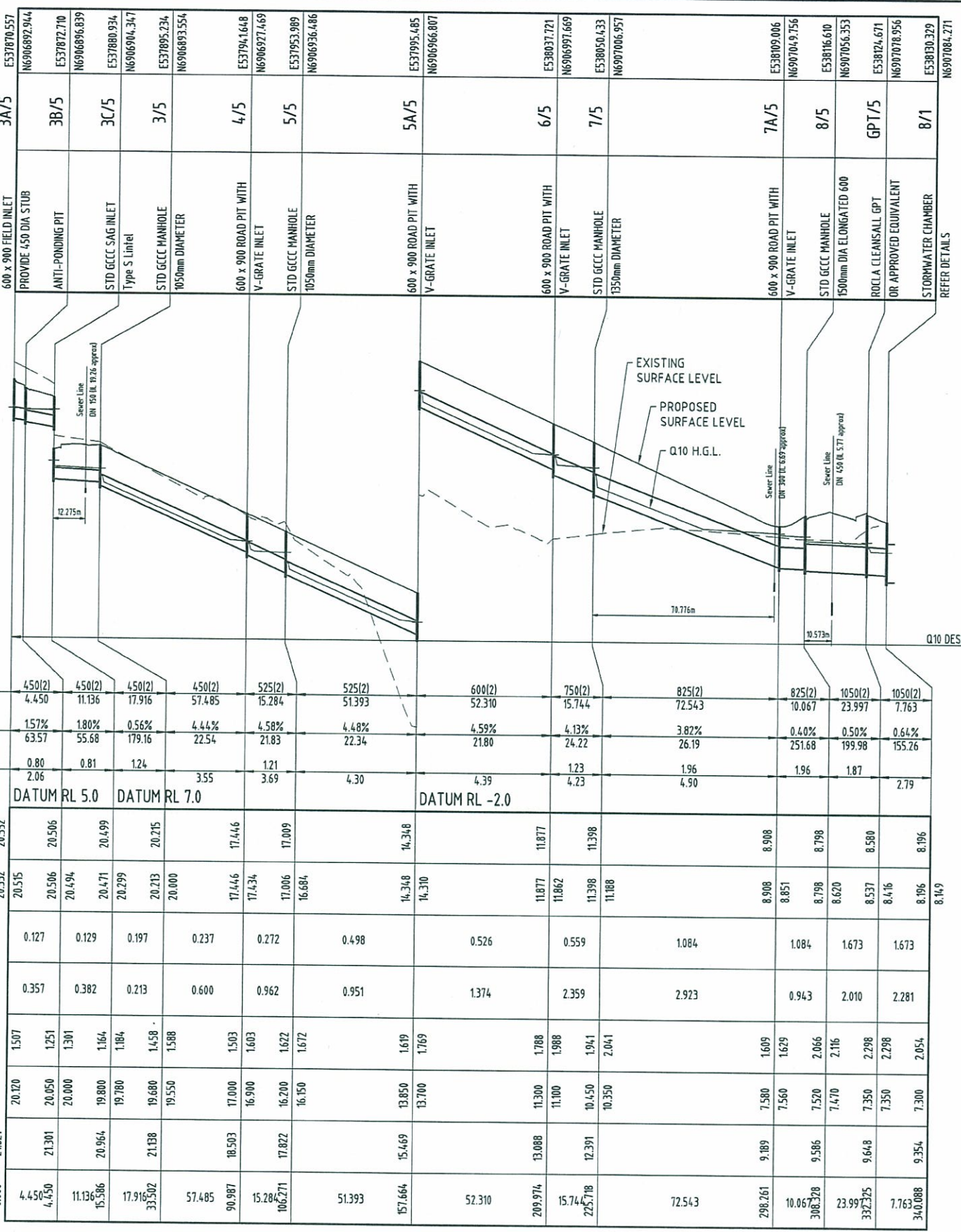
23 DEC 2013

MEDQ

CO-ORDINATES
STRUCTURE NAME
STRUCTURE DESCRIPTION

PIPE SIZEmm (Class)
PIPE LENGTH (m)
PIPE GRADE %
PIPE SLOPE 1 in X
FULL PIPE FLOW VELOCITY (m/s)
PART FULL FLOW VELOCITY (m/s)

WATER LEVEL IN STRUCTURE
HYDRAULIC GRADE LEVEL
PIPE FLOW (Cumecs)
PIPE CAPACITY AT GRADE (Cumecs)
DEPTH TO INVERT
INVERT LEVEL OF DRAIN
DESIGN SURFACE LEVEL
RUNNING CHAINAGE



01	ISSUE FOR OPW APPROVAL	BD	14/10/13
P1	ISSUE FOR COMMENT	BD	23/08/13
Issue	Description	Author	Date

Scale

HORZ 0 10 20 40 60 80 100m

VERT 0 1 2 4 6 8 10m

1:1000

1:100

Surveyor

BENNETT • BENNETT

Property Consultants, Surveyors • Town Planners

All mail to: PO Box 5021, GC/MC, Qld 4220

mai@bennettandbennett.com.au

Benn Pty Ltd A/C N 010 421 021

COOMERA OFFICE

9 Jivwell Street

Coomera 4209

Ph (07) 5573 6177

Fax (07) 5522 4242

Architect

ARCHIPELAGO

File name: C2302-C2309-AA005621-SWD LSECT.DWG

Client

Queensland Government

DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING

Status

FOR APPROVAL

CONSTRUCTION SUBJECT TO COUNCIL APPROVAL

Approved *[Signature]* R.E.P. No: 8677

Scales

AS STATED

Original Size

A1

Height Datum

AHD

Grid

MGA

Current Issue Signatures

Author

B.DAVEY

Designer

T.DINGLE

Reviewer

B.THOMPSON

© Copyright reserved

Project

GOLD COAST PARKLANDS REDEVELOPMENT

TRUNK INFRASTRUCTURE

Title

STORMWATER LONGITUDINAL SECTIONS - SHEET 5 OF 8

Hyder

HYDER CONSULTING PTY. LTD

ABN 76 104 485 289

P O Box 1653

Southport, QLD 4215

Australia

Tel: +61 (07) 5532 3933

Fax: +61 (07) 5591 4778

www.hyderconsulting.com

Drawing No.

C2306

Project No.

AA005621

Issue

01

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

23 DEC 2013

MEDQ

PIPE SIZEmm (Class)
PIPE LENGTH (m)
PIPE GRADE %
PIPE SLOPE 1 in X
FULL PIPE FLOW VELOCITY (m/s)
PART FULL FLOW VELOCITY (m/s)

WATER LEVEL
IN STRUCTURE
HYDRAULIC
GRADE LEVEL
PIPE FLOW
(Cumecs)
PIPE CAPACITY
AT GRADE (Cumecs)
DEPTH TO INVERT
INVERT LEVEL
OF DRAIN
DESIGN SURFACE
LEVEL
RUNNING CHAINAGE

LINE

600 x 900 FIELD INLET	1/6	E537929.310
PROVIDE 525 DIA STUB		N6906935.875
ANTI-PONDING PIT	2/6	E537931.463
STD 600 SAG INLET		N6906939.770
Type S Inlet	3/6	E537939.318
STD 600 MANHOLE		N6906947.482
1050mm DIAMETER	5/5	E537953.989
		N6906936.486

600 x 900 FIELD INLET	1/7	E538025.756
PROVIDE 525 DIA STUB		N6907006.347
ANTI-PONDING PIT	2/7	E538027.909
STD 600 SAG INLET		N6907010.242
Type S Inlet	3/7	E538036.190
STD 600 MANHOLE		N6907017.752
1350mm DIAMETER	7/5	E538050.433
		N6907006.957

600 x 900 FIELD INLET	1/8	E538096.433
PROVIDE 450 DIA STUB		N6907057.542
DRAINWAY PIT 2TC		E5381014.79
Two Troughs plus Chamber	2/8	N6907064.693
STD 600 MANHOLE		E538116.610
1500mm DIA ELONGATED 600	8/5	N6907056.353

STD 600 SAG INLET	2A/8	E538109.645
Type S Inlet		N6907078.918
DRAINWAY PIT 2TC		E5381014.79
Two Troughs plus Chamber	2/8	N6907064.693

600 x 900 FIELD INLET	5F/9	E537966.070
PROVIDE 450 DIA STUB		N690729.644
STD 600 INLET		E537967.392
Type S Inlet	5G/9	N690735.392
1500mm DIA MANHOLE		E537961.192
ELONGATED 600	5/9	N690714.103
STORMWATER CHAMBER		E537964.168
3.5 x 2.0 REFER DETAILS	6/9	N690756.352
ROCLA CLEANSALL GPT		E537974.549
OR APPROVED EQUIVALENT	GPT/9	N690764.998
STORMWATER CHAMBER		E537977.976
3.5 x 1.5 REFER DETAILS	6C/9	N690767.853
STORMWATER CHAMBER		E538012.053
3.5 x 1.5 REFER DETAILS	7/9	N690796.209
STORMWATER CHAMBER		E538050.590
REFER DETAILS	10/1	N690716.488

STD 600 MANHOLE	4/9	E537966.753
1050mm DIAMETER		N6907078.677
1500mm DIA MANHOLE		E537961.192
ELONGATED 600	5/9	N690714.103

STD 600 SAG INLET	5A/9	E537958.482
Type S Inlet		N690731.933
1500mm DIA MANHOLE		E537961.192
ELONGATED 600	5/9	N690714.103

STD 600 SAG INLET	5B/9	E537948.855
Type S Inlet		N690717.255
1500mm DIA MANHOLE		E537961.192
ELONGATED 600	5/9	N690714.103

01 ISSUE FOR OPW APPROVAL

BD

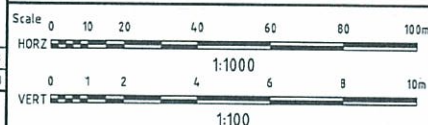
14/10/13

PI ISSUE FOR COMMENT

BD

23/08/13

Issue Description Author Date



Surveyor
BENNETT + BENNETT
Property Consultants, Surveyors + Town Planners
All mail to: PO Box 5021, GCMC, Qld 4720
mail@bennettandbennett.com.au
60th Flr, Lvl A, C/N 210 427 St
Architect
ARCHIPELAGO
Filename: C2302-C2309-AA005621-SWD LSECT.DWG

COORMERA OFFICE
8 Jovels Street
Coormera, QLD 4209
Ph (07) 8873 6177
Fax (07) 8229 4242

Client
Queensland Government
DEPARTMENT OF STATE
DEVELOPMENT, INFRASTRUCTURE
& PLANNING

Status
FOR APPROVAL
CONSTRUCTION SUBJECT TO COUNCIL APPROVAL
Approved *[Signature]* R.E.P.Q No: 8677
Scales
AS STATED
Original Size
A1
Height
AHD
Grid
MGA
Current Issue Signatures
Author
B.DAVEY
Designer
T.DINGLE
Reviewer
B.THOMPSON
Copyright reserved

Project
**GOLD COAST
PARKLANDS REDEVELOPMENT**
TRUNK INFRASTRUCTURE
Title
**STORMWATER
LONGITUDINAL SECTIONS
- SHEET 6 OF 8**

Hyder
HYDER CONSULTING PTY. LTD
ABN 78 104 485 289
P O Box 1653
Southport, QLD 4215
Australia
Tel: +61 (07) 5532 3933
Fax: +61 (07) 5591 4778
www.hyderconsulting.com

Drawing No. C2307
Project No. AA005621
Issue 01

14/01/2013 1:36 PM

\\hc-aus-gc-fs-01\jobs\AA005621\VE-CAD\VE-Civil\VE-Final\C2302-C2309-AA005621-SWD LSECT.dwg

V1

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

23 DEC 2013

MEDQ

CO-ORDINATES
STRUCTURE NAME
STRUCTURE DESCRIPTION

PIPE SIZEmm (Class)	750(2)	900(2)
PIPE LENGTH (m)	9.028	12.882
PIPE GRADE %	0.55%	0.78%
PIPE SLOPE 1 in X	180.56	128.82
FULL PIPE FLOW VELOCITY (m/s)	0.95	0.79
PART FULL FLOW VELOCITY (m/s)		

WATER LEVEL IN STRUCTURE
HYDRAULIC GRADE LEVEL
PIPE FLOW (Cumecs)
PIPE CAPACITY AT GRADE (Cumecs)
DEPTH TO INVERT
INVERT LEVEL OF DRAIN
DESIGN SURFACE LEVEL
RUNNING CHAINAGE

LINE

600 x 900 FIELD INLET	5C/9	E537945.256
PROVIDE 525 DIA STUB		N6907146.572
STD GCCC INLET	5D/9	E537951.782
Type S Inlet		N6907152.811
STORMWATER CHAMBER	6/9	E537964.168
3.5 x 2.0 REFER DETAILS		N6907156.352

STD GCCC SAG INLET	6A/9	E537963.790
Type S Inlet		N6907159.666
STORMWATER CHAMBER	6/9	E537964.168
3.5 x 2.0 REFER DETAILS		N6907156.352

600 x 900 FIELD INLET	1/10	E537891880
PROVIDE 450 DIA STUB		N6907225.712
600 x 900 ROAD PIT WITH V-GRADE INLET	2/10	E537899.880
		N6907230.793
600 x 900 ROAD PIT WITH V-GRADE INLET	3/10	E537928.508
		N6907210.908
STORMWATER CHAMBER	6/9	E537964.168
3.5 x 2.0 REFER DETAILS		N6907156.352

STD GCCC INLET	2A/10	E537889.604
Type S Inlet		N6907268.595
600 x 900 ROAD PIT WITH V-GRADE INLET	2/10	E537899.880
		N6907230.793

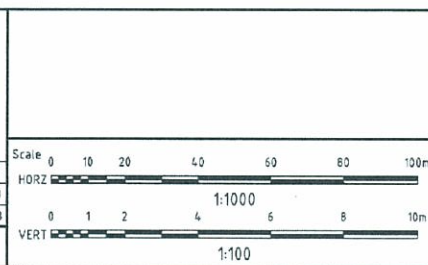
600 x 900 FIELD INLET	8A/11	E538070.509
PROVIDE 525 DIA STUB		N6906910.684
ANTI-PONDING PIT	8B/11	E538100.725
		N6906913.028
STD GCCC SAG INLET	8C/11	E538119.607
Type S Inlet		N6906919.517
STORMWATER CHAMBER	2A/1	E538126.065
REFER DETAILS		N6906903.321

STD GCCC MANHOLE	6/11	E538070.051
1050mm DIAMETER		N6906869.207
STD GCCC MANHOLE	7/11	E53812.105
1050mm DIAMETER		N6906899.933
STORMWATER CHAMBER	2A/1	E538126.065
REFER DETAILS		N6906903.321

STD GCCC INLET	7A/11	E538109.994
Type S Inlet		N6906900.866
STD GCCC MANHOLE	7/11	E53812.105
1050mm DIAMETER		N6906899.933

600 x 900 FIELD INLET	1/12	E538372.252
PROVIDE 450 DIA STUB		N6907140.519
STD GCCC INLET	2/12	E538367.458
Type S Inlet		N6907145.745
STD GCCC INLET	3/12	E538356.605
Type S Inlet		N690716.7037
STORMWATER CHAMBER	4/12	E538366.321
Type S Inlet		N6907205.988
STD GCCC MANHOLE	3/4	E538368.374
1050mm DIAMETER		N6907205.988

Issue	Description	Author	Date
02	GCCC R.F.I.	BD	14/11/13
01	ISSUE FOR OPW APPROVAL	BD	14/10/13
P1	ISSUE FOR COMMENT	BD	23/08/13



Surveyor	BENNETT • BENNETT Property Consultants, Surveyors • Town Planners All mail to: PO Box 5021, GCMC, Qld 9720 mail@bennettbennett.com.au 0800 754 454 / 07 552 6171 Fax 07 552 6162
Architect	ARCHIPELAGO
Filename:	C2302-C2309-AA005621-SWD LSECT.DWG

Client	Queensland Government DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING
--------	---

Status	FOR APPROVAL NOT FOR CONSTRUCTION
Approved	<i>[Signature]</i> REP ID: 8677
Scales	AS STATED
Original Size	A1
Height	AHD
Grid	MGA
Current Issue Signatures	Author: B DAVEY Designer: T DINGLE Reviewer: B THOMPSON © Copyright reserved

Project	GOLD COAST PARKLANDS REDEVELOPMENT
	TRUNK INFRASTRUCTURE
Title	STORMWATER LONGITUDINAL SECTIONS - SHEET 7 OF 8

Drawing No.	Project No.	Issue
C2308	AA005621	02

HYDER CONSULTING PTY. LTD
ABN 76 104 485 289
P O Box 1485
Southport, QLD 4215
Australia
Tel: +61 (07) 5532 3933
Fax: +61 (07) 5591 4778
www.hyderconsulting.com

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

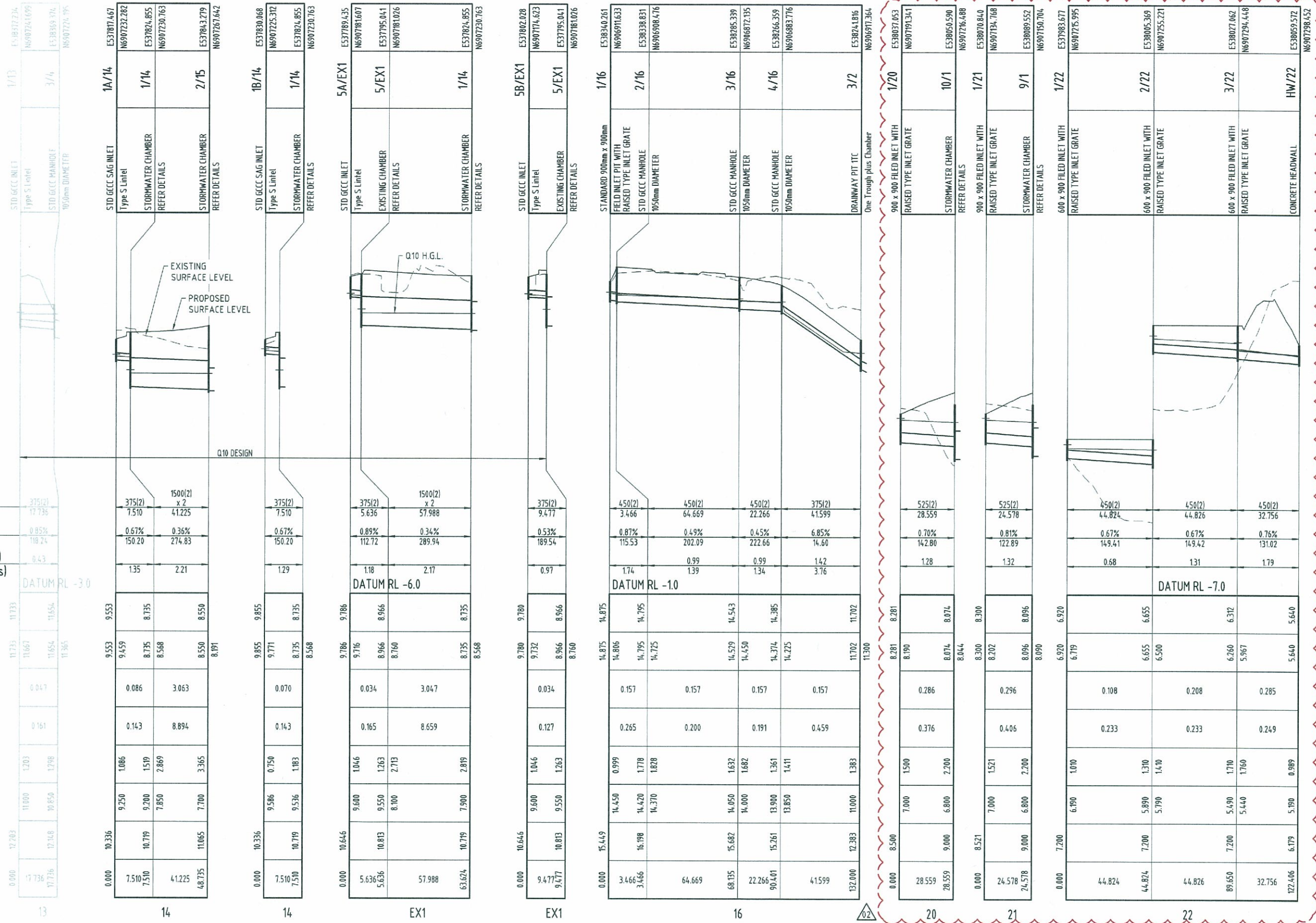
23 DEC 2013

MEDQ

PIPE SIZEmm (Class)
PIPE LENGTH (m)
PIPE GRADE %
PIPE SLOPE 1 in X
FULL PIPE FLOW VELOCITY (m/s)
PART FULL FLOW VELOCITY (m/s)

WATER LEVEL
IN STRUCTURE
HYDRAULIC
GRADE LEVEL
PIPE FLOW
(Cumecs)
PIPE CAPACITY
AT GRADE (Cumecs)
DEPTH TO INVERT
INVERT LEVEL
OF DRAIN
DESIGN SURFACE
LEVEL
RUNNING CHAINAGE

LINE



02 LINES 20,21 & 22 ADDED		BD	14/11/13
01 ISSUE FOR OPW APPROVAL		BD	14/10/13
P1 ISSUE FOR COMMENT		BD	23/08/13
Issue	Description	Author	Date

Scale 0 10 20 40 60 80 100m	
HORIZ 1:1000	
VERT 1:100	

BENNETT • BENNETT Property Consultants, Surveyors & Town Planners All mail to: PO Box 6021, GCMC, QLD 4220 me@bennettandbennett.com.au BBN Pty Ltd A/CN 31347301		COOMERA OFFICE 9, Jondal Street Coomera, QLD 4209 Ph: (07) 5573 8177 Fax: (07) 5529 4342	
Architect ARCHIPELAGO		Client Queensland Government DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING	
Filename: C2302-C2309-AA005621-SWD LSECT DWG		Status FOR APPROVAL NOT FOR CONSTRUCTION Approved: [Signature] R.E.P.C. No. 8677 Scales: AS STATED Original Size: A1 Height Datum: AHD Grid: MGA	
Project GOLD COAST PARKLANDS REDEVELOPMENT TRUNK INFRASTRUCTURE		Title STORMWATER LONGITUDINAL SECTIONS - SHEET 8 OF 8	
Drawing No. C2309		Project No. AA005621	
Issue 02		Issue 02	

HYDER CONSULTING PTY. LTD ABN 76 104 485 289 P.O. Box 1683 Southport, QLD 4215 Australia Tel: +61 (07) 5532 3933 Fax: +61 (07) 5591 4778 www.hyderconsulting.com	
---	--